
* BMHA Newsletter *

* BICYCLE MOBILE HAMS OF AMERICA *



Volume 11, Number 1

Jan/Feb/Mar 2000

EDITOR'S NOTEPAD

Hartley Is Ill

Hartley Alley, NA0A – founding member of BMHA – is ill. We are sure that he would appreciate cards sent to him at Box 4009-NL, Boulder, Colorado, 80306-4009. Here is late word from Hartley:

"I have been unable to do any of my duties here at BMHA since Sept. 15, which as you know is the day we left for our three-week vacation in England (for details see July '99 and Oct. '99 back issues of the newsletter).

"Just before this trip I pulled a calf muscle while walking to the store. All the three weeks in England the pulled muscle pained me. One muscle problem led to another until on Dec. 2 – a month after we returned from England – I was diagnosed as having a peripheral neuropathy. This causes problems in the spine that lead to pinched nerves. It means that I've had just about non-stop pain in my hands and feet.

"On Dec. 28th they operated on my spine, resulting in ending one set of pains but doing nothing for the pain in the hands and feet. As a result of the pain and the lack of mobility I have been unable to take care of my BMHA duties, which besides editing the newsletter include the very important job of checking in and welcoming new members. With the help of my wife Jean and some other members, it is hoped that we'll get everything back in order soon.

"Since Dec. 31 I've been confined to a stay in a rehab hospital where I'm slowly getting back my ability to walk, but the pain in my hands and feet is still there. So I am now having acupuncture treatments – perhaps my last chance at regaining full mobility."

This newsletter is put together by several BMHA members. Unfortunately, there is no one who can temporarily step into Hartley's shoes as editor-in-chief. If a volunteer can be found there are many members who can help supply material. To volunteer or learn more, please write BMHA at Box 4009-NL, Boulder, Colorado, 80306-4009, or Email the BMHA Webmaster at Webmaster@LaFetra.com.

Dayton HamVention 2000

The Dayton HamVention is also coming up. Your temporary newsletter team does not have information about the BMHA booth at this time. Please check the BMHA website at www.LaFetra.com/BMHA/ for latest information.

Mary Duffield Honored

As our last issue was going to press, we had just enough time to announce that Mary Duffield, WA6KFA, had been elected a lifetime member of BMHA in recognition of her contribution to Amateur Radio, bicycling, and especially the development of children in her area.

A profile of Mary ran in this newsletter six years ago in the January 1994 issue. Inside this issue, you will find a fresh interview with Mary where she talks about her Elmer, and discusses her career, accomplishments, and rewards.



**AA6WK presents the certificate to
Mary Duffield, WA6KFA**

Webmasters Unite!

Several BMHA members have links on the BMHA website to their personal web pages – please visit them at <http://www.LaFetra.com/BMHA/WebMembers.htm>.

You can have your own link added – just send an E-mail with your URL and callsign to Webmaster@LaFetra.com. That's all there is to it.

If you would like your own website but don't have one, check out QSL.NET at <http://www.qsl.net> – they offer free personal websites to hams.

Bicycle Mobile Field Day

KB8U/bicycle mobile participated in the ARRL Field Day last June. Hopefully I'll score in the top 20 in the mobile category this year.

I decided to go for several short to medium distance rides and make contacts both while in motion and stationary. The tallest spot in the city is only a few miles away, so I rode there a few times during the weekend and spent about 20 minutes making contacts each time. I wasn't out for a very high score this year; I just wanted to have fun and ride around while making contacts.

I used a Wilderness Radio SST which is a small 20m CW-only set, and also a Tokyo Hy-Power HT-750 for 6/15/40m SSB and CW. I had plans on using a 10m handheld that is a converted SSB/AM CB radio this year. I was making last minute repairs to the battery pack minutes before the contest and made the classic blunder of hooking up the battery backwards. The radio went pffft! and smelled funny after that. First time in 22 years of ham radio that I've made that mistake, and hopefully the last. Fortunately I had a backup rig for 10m, although it isn't as good a radio. I also brought along an FM handheld for VHF/UHF, but never did make any contacts on it (only simplex contacts are allowed for the contest, and on top of that 146.52MHz is disallowed). A variety of whip antennas mounted on the rear rack were used.

Band conditions were fair, 15m being the most productive. Contacts on that band were made with stations in all regions of the United States except Alaska and Hawaii. Signals on 10m were just not strong enough, but I did manage to work one local station. Nothing was heard on 6m. I picked up a few stations on 40m out to about 300 miles distant. That band is tough to work with just a whip antenna on a bicycle, since it is less than 5% efficient. Also, all my radios were low power rigs (2 to 3 watts out). Contacts were most easily made using Morse code so I only made a couple of voice contacts. CW contacts are worth twice as many points as voice contacts so that worked out OK.

A total of 65 CW and 3 SSB contacts were made with 29 states and 1 Canadian province. About 55 miles were racked up on the bicycle computer during the contest weekend.

The weather mostly cooperated, although at the end of the contest I got caught in a torrential downpour about 6 miles from home. I did have the foresight to bring along something I could put the radio in to keep it from getting soaked. The same can't be said of the operator. I had to stop part way home and wring out my socks as they were getting a little heavy!

Next year I hope to be on a bicycle tour during field day. If you hear KB8U, give me a call. Until then, watch that battery polarity!

— Russell Dwarshuis, KB8U
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BMHA NEWSLETTER

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We welcome articles, suggestions, letters, announcements, photos, artwork — anything pertaining to the combining of bicycling with amateur radio.

The BMHA is affiliated with Adventure Cycling Association, the League of American Bicyclists, and *Worldradio*.

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ABOUT BMHA

For the information of our first-time readers

Bicycle Mobile Hams of America got its start when a 'Stray' in the June '89 QST magazine asked to "get in touch with hams who operate their radios while bicycle-mobile", signed by Hartley Alley, NA0A. Twenty-five hams responded, filled out questionnaires, and received a summary of the collected data.

In April of '90 we had our first BMHA Forum at the Dayton HamVention. We played to a packed house, overflowed the room, and added 54 names to our mailing list. Our eight subsequent forums have drawn increasingly larger audiences, and now BMHA is firmly established as a 'regular' at this world-renowned event.

This is the thirty-eighth issue of our quarterly newsletter, which has become the clearinghouse for the exchange of info and ideas for the hams who go on the air from their bicycles.

BMHA membership puts you in touch with a friendly and helpful group of bike-riding hams. You'll make contacts through our membership directory and E-mail address list, the annual meeting and Forum at the Dayton HamVention and other regional meetings, and of course through the BMHA Newsletter, which has articles on bike trips, antennas, other gear, operating tips, etc. A membership application is on the next-to-last page.

A new 10m SSB/FM/AM handie-talky



Propagation on the shortwave ham bands is currently reaching a 11 year peak, and world-wide communications is possible with even very modest equipment. It is now possible to regularly have trans-continental and even DX contacts on the 10 meter ham band from a bicycle mobile station.

Until recently, there were no new, commercially available shortwave handy-talkies available. The smallest sized radios were about the size of a cigar box, making bicycle mobile operation a little less practical than most bicycle mobile hams would like.

Copper Electronics has changed that with the introduction of the Eagle Spitfire 454. It is a hand-held radio which covers all of the 10 meter ham band and has SSB, AM and FM voice operation (no CW). You can slip this radio into a Jersey pocket, attach an external antenna and speaker/mic, and astound hams thousands of mile away when you tell them you are mobile on a bicycle!

The 454 is about 6.5 inches tall and 1.5 inches thick with the battery pack. A backlit display shows the frequency, mode and S/Rf meter. There is also repeater split and low-battery indicators. Push buttons on the front and side control the frequency and other functions of the radio. On/off-volume and squelch/clarifier knobs are on the top of the radio. A BNC antenna connector and jacks for an external speaker and earphone are on the top of the radio. Also included is a short, flexible antenna (useless for transmitting), a battery case (batteries not included), a belt clip and a wrist cord. Transmit power is approximately 7 Watts PEP, one watt on the low power setting.

This radio is a good performer considering its size and cost. The fly in the ointment is the method of frequency selection. It is basically channelized on 10 khz steps. 1 khz steps are possible, but only over a 10 khz range. You have to push numerous buttons to get to the next 10 khz range, then

set the tuning step size back to 1 khz when tuning more than 10 khz. There is NO tuning knob, so a lot of button pushing is involved. It is extremely difficult to casually tune the band looking for QSOs. To make matters worse, the clarifier only works on receive. You can tune in stations exactly, but about half of all stations will be too far off frequency to call. 1 khz steps are too coarse for SSB. It is possible to 'unlock' the clarifier so that it works on transmit, but only by voiding the warranty. Forget about riding your bike and tuning this radio at the same time. A less serious flaw is that there is only one PL tone (88.5 Hz) for repeater operation.

This radio was obviously designed with outlaw CBers in mind since it is easily modified for use below 28 MHz. Also, the unit is NOT type accepted so its sale by Copper Electronics is questionably legal. Copper Electronics is the sole importer of this radio as far as I know. They also sell other 10 meter ham' radios that are easily modified, not type accepted and marketed primarily at the outlaw CB crowd.

Even with the flaws, I would recommend this radio if you want to try 10 meters bicycle mobile but don't want to lug around a large radio. Copper Electronics, phone 1-800-626-6343, web page www.copper.com. Price \$179.99 plus shipping and handling.

— Russell Dwarshuis, KB8U
rjd@merit.edu

Ham Radio Support of Bicycle Events

I have been a ham for 44 years and a Fire Department Emergency Medical Technician (EMT) since 1972. I pulled together a group of hams who also EMTs in this area. There were over 30 of such animals available.

We started supporting the Sports Car Club of America (SCCA) high speed road rallies, here in Western Washington, in 1974. In 1983, I was asked to provide support for the American Lung Association's (ALA) new three day Tri-Island International Bike Trek, going from Seattle to Victoria, British Columbia and back. I used several ham/EMTs to provide this support. Since there is a fairly large cost involved in each volunteer, having people with multiple skills made a lot of sense. In fact, several of us trained and became fairly decent bike mechanics.

The Tri-Island Bike Trek was very successful and was expanded to 2, 3, then 4 times per year with 2-300 riders per trek. In 1987, we expanded it into what was called the Trans America Bike Trek going from Seattle to Atlantic City, NJ in 48 days. I also set up and staffed the Radio Communication and Emergency Medical Services (EMS) programs for that Trek. It ran for three years, and included a Pacific Coast Trek going from Seattle to San Diego, on the road for 26 days. The Tri-Island Bike Trek is still running, although I have separated myself from the ALA.

I, (and I mean to say my wife Fran, N7FWZ, and I,) continue to support three, one day and one six day bicycle rides for the Cascade Bicycle Club (the world's largest bike club) and a one-day ride around Mt. Rainier (154 miles and 10,000 Feet climb) for the Redmond Cycle Club. Also, we just finished coordinating the Radio and EMS support of the

Seattle Marathon on November 28, utilizing 73 hams and several EMTs.

Fran and I, almost always operating in separate support vehicles, have each traveled over 50,000 miles and have been on the road for over 370 days in 29 states and BC. We often use our 27 foot Winnebago motor home for net control or mid-day checkpoint (and a nice place to sleep on the long rides). We have 2 Kenwood Tri-Band TM 741's with 2 meters and 440 MHz in each, with 222 MHz and 50 MHz in the other positions mounted in the motor home. Each of our cars (a Safari Van and a Miata) have Kenwood 742 Triband radios and in the Van, a Kenwood dual band plus two old large size ICOM HTs, a H-16 & U-16.

Our normal load of equipment in a support vehicle is as follows: 10 to 30 gallons of water (temperature dependent), water dispenser, bicycle tools, 30 to 40 inner tubes of various sizes, Tri-Flow lubricant, a Trauma Box, extra medical supplies, Splints, c-collars, 4 bike racks, clean water hose, 12VDC tire pumps, blankets, extra mag mount antennas, extra HTs and batteries, clipboards, magnetic signs, ice chest, duct tape, double backed tape, road marking paint (double bagged), fanny pack first aid kit, cold and hot packs, magnetic yellow strobes, event data packs, flashlights, and cookies for biker therapy (always works).

We have bike shops which support these rides. We have held amateur radio classes and have now turned most of these bike mechanics into hams. All support vehicles are staffed by hams.

On all of the longer rides (2 days or more), we research to find all police, fire departments, emergency medical providers and hospitals. We notify all of these agencies with time, date, contact phone numbers, route info (Maps), and gather all of the 10 digit phone numbers and addresses of each agency. We recruit one to three hams (called Base Support Hams) per day, to standby in their homes and we ask them to monitor us. They help us identify which repeaters might work and then get permission for us to use them. They are the most valuable to us, when we ask them to apply their knowledge of the area, to the solution of our problems. I could tell you many wonderful stories about how helpful these hams have been to our cyclists.

We worked over 6 months at never less than 4 hours a day to setup the TransAmerica Trek. Our first real payoff came after handling the first serious injury. The Trek Director and I spent the evening trying to figure out what more could we have done to prepare for this situation, and there was nothing economically feasible suggested.

I have written a book on how to properly support bicycle events. It was distributed within the ALA until I asked for that to be discontinued, following my departure from their program. They said that they had returned all of my material but I doubt that they did. This book is now available to others who support bicycle events.

--- Gene Underwood, W7AKA
Fran Underwood, N7FWZ
7065 121st Place S.E.
Newcastle, WA 98056-1202

An Interview With Mary Duffield

As you saw on this edition's cover, Mary Duffield, WA6KFA, has been elected as a lifetime member of the BMHA. Her certificate reads:

The Bicycle Mobile Hams of America, Inc.
A Public Service Club Dedicated to Combining Bicycling
with Amateur Radio
Presents this Certificate of Appreciation and Lifetime
Membership
to
Mary Duffield, WA6KFA
in Appreciation of Your Lifetime of Achievement in
Teaching Hamming and Biking
Awarded this 1st Day of September, 1999
Affirmed by: John Einberger, N0MSA,
Awards Committee Chair

It was a pleasure to present this certificate personally to Mary and to take some notes while we talked. In the true sense of ham radio, Mary wanted to dedicate this interview to her mentor, Ben Deovlet, W6FDU. Ben has worked with Mary over many years, obtained radios which could be donated to schools, and worked as hard with children as Mary has herself.

"Planetary Mary" — as many of her friends call her — is an exceptional individual by any standard. The product of an unhappy home, she ran away at the age of 15, and then was admitted to the University of California at Berkeley as a walk-on in 1938 — where some friends 'hired' her to be their housekeeper so that she would have a place to stay. She has homesteaded in Alaska and lived nearly 30 years on the 36-foot boat which she recently donated to the Sea Scouts — on condition that all the children who use the boat become ham operators.

Mary's life revolves around her 'kids' — both her natural children (she has one son and one granddaughter — but before this issue went to press she became a great-grandmother) and the literally thousands of children of all ages which she has helped over the years.

Mary loves people and language ("I love the code, but hate the math"). She lives to help others — and especially to help children find independence and self-reliance through sailing, ham radio, and bicycling. After a long and active life, Mary can still be found volunteering her time at the local UNICEF center.

This has not gone without reward — the United Nations Commission on Feminism is having 30 portraits of "Wise Old Women" shown passing their wisdom on to 30 "Wise Young Women". Mary is one of these Wise Old Women, and her portrait should shortly hang in the United Nations Assembly Hall.

But Mary gets her true rewards directly from the children she has such a strong impact on. She was popular with her 46 nieces, nephews, grand-nieces, and grand-nephews (as Mary puts it, "if you live on a boat, you're popular with children") —

but also with young teenagers from the area and as far away as Hawaii. Why? because she took them sailing. And what sailing it was...

For much of her career, Mary would organize sailing trips from Santa Cruz (California), down through the Panama Canal, and up to the Caribbean. And her young 'crew' were responsible for the voyage (think of yourself as a youngster of 14 years - Mary's minimum age - who has just received your ham license. You and your crewmates would take turns being responsible for the boat for shifts of 200 miles. Exciting!)

These trips were more than fun - Mary held a 'general secondary' teaching certificate, so students who hated math found themselves getting full credit for learning celestial navigation. Often children would camp out on the dock for a chance to sign up with Mary's next trip (and many of these same children have grown up to offer similar trips on their own boats).

As Mary aged, the trips became shorter - down the California coast to Los Angeles, San Diego, and Mexico. And she even spread cheer much closer to home (the Easter Dolphin was always a springtime hit, where children could talk to the Dolphin through the magic of 2-meter radio).

Mary got both her boat and her ham license about the time she turned 60 - before that she was just too busy helping people, heading the high-school English department, and homesteading in Alaska. She not only launched ham radio in the local school district, but she is especially proud that the school ham club made a recent SAREX contact with the Space Shuttle using student labor - the kids did everything.

Planetary Mary is indeed one of our Wise Old Women. BMHA is proud to have her as our most recent honorary Lifetime Member.

— Skip LaFetra, AA6WK
Skip@LaFetra.com

LETTERS

Throat Mikes

BMHA Webmaster:

I wonder if you can help me with the following. I received a sample newsletter from the BMHA, and remember an ad about a throat microphone. I misplaced the newsletter, and can't remember the details of the ad. I am interested in a throat microphone with a PTT that will fit in a glove. I want to use my HT on a snowmobile. The throat microphone would cut down on the noise. It was suggested that the SPM-500 by Premier Electronics would do the trick. It has a "fingertip" PTT. Such a PTT would make operation of the radio on a snowmobile fairly convenient. The PTT seems a bit large for a glove: something like 2.5 cm X 1.5 cm X 1 cm. Any thoughts?

David Smith
Nain, Labrador, Canada

The Webmaster replied:

David:

Sorry, I don't have a lot of advice. My own bicycle rig is an in-the-ear microphone with separate PTT switch (about the size of what you indicate). The in-the-ear microphone does NOT eliminate noise - I think the throat mike is a better idea.

I'd suggest the throat mike that you have found, and re/build your own PTT. Mine is so big because it contains a volume control and other unnecessary frills.

I would also suggest mounting the PTT outside of the glove (but remember that I am a fair-weather Californian. I may not sufficiently appreciate low temperatures). Putting the PTT inside of the glove tethers you to the bike/snowmobile until you remove the glove.

Good luck!

Webmaster@LaFetra.com

Membership Application

BICYCLE MOBILE HAMS OF AMERICA
Box 4009-NL, Boulder, CO 80306-4009

date _____

Individual \$10 _____ (US or Canada)	New member? _____	Renewal? _____
Family \$15 _____ (limit: two persons)	Foreign \$15 _____	Donation \$ _____

Make check payable to BMHA, in US dollars or international money order.

Name _____ Call _____
Address _____ License Class _____
City _____ State _____ ZIP _____ - _____
E-mail address _____ @ _____
Age _____ Most miles bicycled in one day _____

BMHA's Official Logo

The next time you need to order new QSL cards, don't forget to include the BMHA logo in your design. Here's the official logo, as designed by Russ Dwarshuis, KB8U.

BICYCLE MOBILE



HAMS OF AMERICA

BICYCLE MOBILE



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BMHA ROSTER — January 2000

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ANDERSON	JOE W	N8GYH	3603 ESSEX CT	BLOOMINGTON	IN	47401	jbanders@quest.net
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CLARK	DAVE	WBDO	167 N CROOKED LAKE	KALAMAZOO	MI	49009-8933	w8do@yahoo.com
CLARKE	MARK	KB0YDL	4857 N SHERIDAN NCARC ED	LOVELAND	CO	80538-1787	
CLAYPOOL	BILL	NU0Q	7281 NW 28TH ST	ANKENY	IA	50021-9021	nu0q@qsl.net
CLEMENS	DALE	KB9WKQ	HCR 01 BOX 263 HWY H33	GOULD CITY	MI	49838-6431	dclemens@portup.com
COLLEY	JERRY	BRAG	POB 87111 (B RIDE ACR GA)	STONE MOUNTAIN	GA	30087-0028	
CONSOL	PATRICIA	KB0VXA	7153 W. PARKWAY LANE	HOMOSASSA	FL	34448	ronc@atlantic.net
CONSOL	RON	KB0VXA	7153 W. PARKWAY LANE	HOMOSASSA	FL	34448	ronc@atlantic.net
COOK	JAMES	NSKY	609 TRADING POST SE	ALBUQUERQUE	NM	87123	abqcooks@aol.com
COOK MID	R CRAIG	N3BOR	107 BAY PARK WAY	SEVERNA PARK	MD	21146	rocook@opcu.org
COOLEY	AL	N0AUS	6199 S BROADWAY	LITTLETON	CO	80121	alnb0us@aol.com
COOPER	LEE H		3708 GULL WAY	FORT COLLINS	CO	80525	72077.2023@compuserve.com
CORBEN	JULES	VK2EXT	65 OAKLEY PARK AV	OAKLEY NSW 2223	AUSTRALIA		jcorben@nibunetw.ccdn.qlc.com.au
CORBIN	MARILYN	N8XKE	6463 BRUSH HOLLOW	NEW CARLISLE	OH	45344-9148	corbinm@wpgate1.wpaftb.af.mil
COUCH	PIERROT	N6MSY	269 ROME PLACE	HAYWARD	CA	94544	pierrrot@earthlink.net
COVEY	KENNETH W	W0ZQJ	1505 S RIVER DR	MDORHEAD	CA	94544	kenccovey@met.com
COVINGTON	DOUG	KB5VKJ	280 WOODBINE LN	GAINESVILLE	TX	76240-1814	modoco@cooke.net
CRAIN	MICHAEL A	W4ZZ	871 E PLANTATION CIR	PLANTATION	FL	33324-1416	mcraim@pkcspa.com
CRANDALL	CATHERINE	AA7GX	3200 W CHAMPAGNE DR	TUCSON	AZ	85745-9590	cathygeo@theher.com
CROW	DONALD	WA6WJA	3927 VIA MANZANA	SAN CLEMENTE	CA	92673-2631	olcrow@hotmail.com
CROWN	RON	KA9JCP	3050 S 93RD ST	WEST ALLIS	WI	53227-3608	
CUMMING	JOHN	VE3JC	RR1, 192 WELLINGTON ST	DELAWARE, ONT	CAN	N0L-1E0	jbcumming@wtdc.com

CURTIN	ED	WT9N	80 ESSEX RD	ELK GROVE	IL	80007-3935	edc@stameinc.com
CURTIS	RONALD W	WBLZW	1915 WILENE DR	BEAVERCREEK	OH	45432-4024	ron-paula@iname.com
DAMON	D N	KADND	RT 1 BURINLEY STATION	BARBOURSVILLE	VA	22923	dnd@virginia.edu
DAUGHERTY	JOHN	KD4WYK	POB 5196	OAK RIDGE	TN	37831-5196	l.mld@msn.com
DAUGHERTY	MARY LOU		POB 5196	OAK RIDGE	TN	37831-5196	l.mld@msn.com
DAUSTER	JACKIE		1037 RIVERFRONT DR	BULLHEAD CITY	AZ	86442	
DAVIS	RALPH G	KIBYP	831 VALLE VISTA AV	VALLEJO	CA	94590-3542	ralphsue@aol.com
DAY	LESLIE	KK6NH	POB 19989	SAN DIEGO	CA	92159-0989	78011.2723@compuserve.com
DEEGAN	WILLIAM J	AD3S	12432 LITTLETON ST	WHEATON	MD	20906-4449	ad3e@aol.org
DENNEHY	BILL	KAAGBB	POB 25745	LEXINGTON	KY	40524	bdennehy@ix.netcom.com
DENNY	CHRIS	KD6HTV	717 S SUNNYSIDE	FRESNO	CA	93727-5423	
DES COMBES	GARY	NBEMO	9873 LOWER VAL PK(HAMVEN)	MEDWAY	OH	45341-9749	
DEVLIN	LEE	KOLEE	5530 26TH ST	GREELEY	CO	80634	lee810@aol.com
DEVORE	CAROL	WL7CRE	6315 ABRAHAM RD	FAIRBANKS	AK	99709-5922	
DEVORE	DAVID	WL7CRD	6315 ABRAHAM RD	FAIRBANKS	AK	99709-5922	
DICK	CHUCK	VE7MHA	3244 W 38 AV	VANCOUVER, BC	CAN	V6N 2X6	chucyn@interchange.ubc.ca
DICK	MRS LYNN	VE7MGK	3244 W 38 AV	VANCOUVER, BC	CAN	V6N 2X6	chucyn@interchange.ubc.ca
DILL	NORMAN	N8STS	39 S HOBBS HWY	TRAVERSE CITY	MI	49686-9425	
DOCKENDORF	WILLIAM	WBSYON	2419 LIBRA DR	GARLAND	TX	75044	williamd@compulink.net
DUFFIELD	MARY B	WA6KFA	2355 BROMMER #23	SANTA CRUZ	CA	95062-3557	
DUTKEWYCH	ALEXANDER	N2PIG	POB 211	PULTENEY	NY	14874-0211	alexdukewy@webtv.net
DWARSHUIS	RUSSELL	K8BU	427 BARBER AV	ANN ARBOR	MI	48103-2721	rd@merit.edu
EARMART	DAN	KPSO	304 E 5TH	AUSTIN	TX	78701	
EATON	LINDA	K76CUT	1075 SYRACUSE DR	SUNNYSIDE	CA	94087-2031	velodcove@aol.com
EATON	STEVEN	KQGEI	1075 SYRACUSE DR	SUNNYSIDE	CA	94087-2031	
EDSTROM	TOM	K8QVIL	4106 N SACRAMENTO	CHICAGO	IL	60618	
EGGLESTON	DAVID	KISAS	1605 W TENNESSEE	MIDLAND	TX	79701	DMEengr@aol.com
EICKHOLT	MICHELE	N8NIV	9877 DAISY LANE	DEXTER	MI	48130	eickholt@umich.edu
EILERS	ERNST-JAN	PA3FXS	AALBERSELANEN 34	3445 TB WOERDEN	CO	80304	ernst-jan_eilers@nl.ibm.com
EINBERGER	JOHN	NOMSA	425 OAKWOOD PL	BOULDER	CO	80304	johnnein@attglobal.net
EMANUEL	VICTOR	K89MAH	2158 S FISH HATCHERY RD	OREGON	WI	53575-1943	vemmanuel@mail.ariam.com
ESTES	WAYNE	W9AE	7007 RFD	MUNDELEIN	IL	60060	kwestes@earthlink.net
FARRELL	JOANNE R		409 ZEUS DR	WHITE SANDS	NM	88002	
FARRELL	SCOTT A	KE4WMF	409 ZEUS DR	WHITE SANDS	NM	88002	ke4wmf@hotmail.com
FAST	BILL	WB8KMY	1454 ALPINE ST	LONGMONT	CO	80501	wb8kmy@aol.com
FAUROT	BOB	N7WYO	18 PARADISE DR	SHERIDAN	WY	82801-8712	faurot@wavecom.net
FAUROT	JUDY	N7WYR	18 PARADISE DR	SHERIDAN	WY	82801-8712	
FERRIELL	JEFFREY T	K8ZDA	774 S SIXTH ST G08A DIR	COLUMBUS	OH	43206	
FETTERS	KENNETH	WB8DUY	41 E MAIN ST BOX 188	PHILLIPSBURG	OH	45354-0188	
FIELDING	JERRY	VA3EMS	1382 PELISSIER	WINDSOR, ONT	CAN	N8X 1M5	
FORBES	DAVID	KD8FO	1271 JEANETTE DR(FORUM#1)	DAYTON	OH	45432	
FORD	NORMAN D		POB 681	INGRAM	TX	78025	blodwen@kic.com
FOUNTAIN	BUCK	WATTV	19 BUINN ST	CALIFON	NJ	07630-	lef@injersey.com

FRANK	ERINIE	KFAIFE	51 SOUTH LINCOLN AV	BEVERLY HILLS	FL	34465	efrank@hotmail.com
FRIEDMAN	NEIL	N3DF	503 KALMA	BOULDER	CO	80304	
FULLER	BERNIE	N3EFN	17868 PRICE RD ARLVICEDIR	SAEGERTOWN	PA	16433	bfuller@gremian.org
FUSSNER	DALE	KA9MHF	POB 148	BRIMFIELD	IL	61617-0146	
GAGNE	JENNIFER	N1TDY	225 MAIN ARL MEDIA RELAT	NEWINGTON	CT	06111-1494	jgagne@artl.org
GAHL	ROBERT E	KO8KMX	1640 IXLAS CT (EMAIL CON)	SAN JOSE	CA	95124	
GALLOWAY	CARSON		3622 DAVISSON RD	DES MOINES	IA	50310-4626	jgall3622@aol.com
GALLOWAY	JOSEPH M	KCOED	3622 DAVISSON RD	DES MOINES	IA	50310-4626	jgall3622@aol.com
GAMBLE	CURT	K8IBQ	754 TUCKER LANE	BAYFIELD	CO	81122-9257	curt_l_gamble@compuserve.com
GARDNER	DONALD	WB9JZL/KL7	POB 212021	ANCHORAGE	AK	99521-2021	105685.1560@compuserve.com
GARRISON	KAREN	AA1AH	BOX 605	DURHAM	NH	03624-0805	
GAUNT	KEITH	G7CJY	BIBB WAY, IPSWICH	SUFFOLK IP1 2EQ	ENGLAND UK		keith.gaunt@bt.com
GERBIG	DAVE	WB9MZL	3504 S TREMONT WAY	BLOOMINGTON	IN	47401-8895	edgerib@indiana.edu
GHTELMAN	ELISSE	N1TNM	7 UNIVERSITY PARK	WALTHAM	MA	02453-1523	
GIFFIN	TRUEMAN G	N3ORR	29907 RICHARD CIR	MECHANICSVILLE	MD	20859	
GILLESPIE	HAROLD J	KK8OK	14180 MISTY MEADOW LANE	HOUSTON	TX	77079-3180	haroldgil@aol.com
GLANS	RUSSEL W	N2ASV	1617 S BLACK HORSE PIKE	WILLIAMSTOWN	NJ	08094-8233	n2asv@juno.com
GOLDBERG	ARTHUR	KC2CRI	82 KINGS WAY	FREEHOLD	NJ	07728-2834	agoldberg@monmouth.com
GOOCH	LAURA	N8NFE	2475 KINGSTON RD	CLEVELAND HTS	OH	44118	lgooch@cybergate.net
GOULD	KENNETH S		2013 TOPF RD	N LITTLE ROCK	AR	72216	lanakygould@aristotle.net
GOULD	RICK	KATBXX	1218 GROW AV NW	BAINBRIDGE ISL	WA	98110-2708	gould@askimo.com
GRANDSTAFF	DANNY	KBBRIM	819 LINDEN AV	ZANESVILLE	OH	43701	
GRAY	SPEED	K8SG	1260 TROON C7 SE	GRAND RAPIDS	MI	49546	speedgray@aol.com
GREEN	DAVID J	KC2BLF	17 WILDWOOD PL	BUFFALO	NY	14210-2825	kc2blf@juno.com
GREEN, MD	LEE	KF8MO	9677 DAISY LANE	DEXTER	MI	48130	greenia@umich.edu
GRIITZMACHER	AL	AE2T	POB 730	LOCKPORT	NY	14095-0730	ae2t@artl.net
GULDENBREIN	ROSS F	NW6R	855 EAST 3RD ST	BENICIA	CA	94510	radio@cycleaccess1.net
GUMBERT	JIM	NC8Y	419 S THIRD ST	TIPP CITY	OH	45371-1727	otom@infnet.com
GUY	DON	W9GUY	8677 E. SR 218	WALTON	IN	46894	w9guy@netuser1.net
HAAS	DAVE	N1PT	8 GROVE ST	LANCASTER	NH	03584	d_hase@nca.net
HADE	RICHARD A	K9HSK	654 E PERU ST #2	PRINCETON	IL	61356-1852	rhade@webtv.net
HAMBRIC	RONALD	N5SBN	3901 SUNNYBROOK	BRYAN	TX	77802	rharnic@ica.net
HAMILTON	GLYNN	KE4IWZ	3126 ESPANA LN	THOUSAND OAKS	CA	91362-4935	
HAMMOND	AGNES	KB0EHC	87 FOURTH AV	ATKINS	IA	52206	
HAMMOND	AL	K0HWE	87 FOURTH AV	ATKINS	IA	52206	k0hwe@nav.net
HARING	DAVE	KE6FW	15358 GOODHUE ST	WHITTIER	CA	90604-2320	dharling@worldnet.att.net
HAYWOOD	KEVIN B	N4MGB	100 EAST POINTE CIRCLE	KATHLEEN	GA	31047-2502	haywoodkb@delpht.com
HELELE	JERRY		POB 203 (BIKE VIRGINIA)	WILLIAMSBURG	VA	23187-0203	
HEMPSTEAD	HILLARY	KB8KHM	1190 CO RD 8	BELLEFONTAINE	OH	43311-9593	n8hrc@hotmail.com
HEMPSTEAD	JOHN	N8HRC	1190 CO RD 9	BELLEFONTAINE	OH	43311-9593	
HERMAN	DAVID A	WA4HTM	4365 CAMPHOR AV	YORBA LINDA	CA	92886-3146	dalherman@jps.net
HESS	JOHN	KG8NR	1403 WOODBRIDGE LN	WYOM	MI	48393	hessja@ix.netcom.com
HEYN	FRIED	WA6WZO	962 CHEYENNE ST	COSTA MESA	CA	92626	w6wzo@artl.com

HEYN	SANDI	WA6WZN	962 CHEYENNE ST	COSTA MESA	CA	92626	wa6wzn@arrl.com
HICKEY	GLENN	W5VYO	847 BRECKENRIDGE	BENTON	AR	72015-1624	glenhickey@aol.com
HILLMAN	MARK V	N7TDZ	12718 4TH NW	SEATTLE	WA	98177-4226	cykelturist@fms.org
ILME	ILSE	KA0YEC	351 SUGARLOAF MTN RD	BOULDER	CO	80302	
HINE	GREGORY	W7OM	351 SUGARLOAF MTN RD	BOULDER	CO	80302	
HINGSTON JR	CHARLES G	KB2HSX	82 GREENBUSH ST	CORTLAND	NY	13045-3022	cehingston@clarityconnect.com
HODOR	KEN	KF6THJ	1625 NIGHTINGALE AV	SUNNYVALE	CA	94087	khodor@ix.netcom.com
HOLESOVSKY	DAVE	K0IPH	521 W 33RD ST	LOVELAND	CO	80538-2619	
HOLMES	TOM	N8ZM	1055 WILDERNESS BL(FORUM)	TIPP CITY	OH	45371	
HORNING	ALAN J	WB4YCN	5518 CHASE CT	WEST PALM BEACH	FL	33415-3607	wb4ycn@worldnet.att.net
HOSKINS	GREG	N8TED	1857 HICKORY RDG (FORUMS)	DAYTON	OH	45432	ghoskins@erinet.com
HOWELL	ALLAN L	WD9DKL	120 S ADAMS	PENDLETON	IN	46064-1110	alhdln@aol.com
HOYER	KURT F	KE0YO	1825 SE BALLETO ST	PORT ST LUCIE	FL	34952	
HUBER	NORMAN I	N9ZKS	19268 E US HWY 150	BLOOMINGTON	IL	61704-5855	mlhuber@ice.net
HUDSON	JIM	NE3D	524 CARLEY AV	SHARON	PA	16146	
HUFF	RICH	WA9IFV	925 W KESSLER-COMLSVLL RD	TROY	OH	54373	richard_huff@compuserve.com
HUGHES	DAVID G	W5PCM	72 OLD HICKORY AV	CHALMETTE	LA	70043-4535	w5pcm@arrl.net
HUNTING	MARGARET	N0MDK	POB 8517	ASPEN	CO	81612-8517	
HUNTING	STAN	KW7KW	POB 505	ALLENSPARK	CO	80510-0505	stan@bni.net
HUSTED	BILL	K04YA	72 MARRIETTA,ATLA J-CONST	ATLANTA	GA	30030	
HYATUM	HEIN	N4FWA	104 LANCASTER CT	CHARLOTTEVILLE	VA	22901-2218	n4fw@ieee.org
INGRAM	DAVE	K4TWJ	4841 SCENIC VIEW (CQ MAG)	BIRMINGHAM	AL	35210	
JNSKO	MATTHEW T	KB0QAZ	241 12TH AV	MANSON	IA	50563	miao@colinet.com
JACOBSEN	DON	KC1BD	26 CRESTWOOD RD	MILFORD	CT	06460-6924	kc1bd@aol.com
JACOBSON	EDWARD H	AB8QL	842 ST FRANCIS DR	PETALUMA	CA	94954	ednsandy@pacbell.net
JEFFERS	MAYNARD	KB7VEX	28510 40TH AV S	AUBURN	WA	98001-1305	mjeffers@juno.com
JENKINS	JAY P	AA9KH	C/O 3657 EAST 112TH ST	CHICAGO	IL	60617-7023	
JENSEN	CARL	KF6LBM	1320 N STREET #207	SACRAMENTO	CA	95614	
JOHNSON	CHARLOTTE	KC6KMI	1020 HESS TERRACE	LAS CRUCES	NM	88005-2191	
JOHNSON	JUNE	KB0VST	2843 LONGFELLOW RD	FARGO	ND	58102-1716	
JOHNSON	RICHARD B	KC5EVR	1020 HESS TERRACE	LAS CRUCES	NM	88005-2191	kc5evr@juno.com
JOHNSON	ROGER	KB0VSS	2843 LONGFELLOW RD	FARGO	ND	58102-1716	johnson@ndwest.nodak.edu
JONES	MARY	KF9ZB	5670 KING JAMES CT #23	MADISON	WI	53719	kf9zb@kls.com
JONES, DDS	DWIGHT	K08FE	POB 254	WRIGHTWOOD	CA	92397-0254	104307.2100@compuserve.com
JONIAK SAHS	MARYA	N9ZVF	W7429 SCOTT DR	SPOONER	WI	54801	
JOSUWETT	BOB	WA3PZO	3341 SHEFFIELD AV,CO-VHF	PHILADELPHIA	PA	19136	bjosuwett@aol.com
KAPLAN	JOHN	WR0W	1516 MISS RIVER BLVD S	SAINT PAUL	MN	55116	jok@juno.com
KARL, MD	TED A		5 JEFFREY PL	NEW HYDE PARK	NY	11040	
KATZ, M.D.	JONATHAN	W1IH	9 MORRIS ST	HAMDEN	CT	06517-	jonathan.katz@yale.edu
KAZDAN	DAVID	AD8Y	2475 KINGSTON RD	CLEVELAND HTS	OH	44118	dkk10@po.cmu.edu
KEARSE JR	WILFRED S	KCSJWK	8116 GILMAN CT	LA JOLLA	CA	92037-2835	wksearsejr@compuserve.com
KELLEHER	JOHN	K1GQP	POB 501	TEMPLE	ME	04984-	
KELLUM, MD	MARK	KMG8J	4825 RED BUD DR	BELDEN	MS	38826	mjk@obicom.net

KELLY	MIKE	VE3FFK	25 STEVENSON AV	OTTAWA, ONT	CAN	K1Z 6M9	ve3fk@mac.ca
KERR	JOHN	N8JK	9135 RED CEDAR	WEST CHESTER	OH	45069	75060.241@compuserve.com
KESSE	BOB	WB8W	3995 DREW AV	CINCINNATI	OH	45248-3242	bkesse@valentine1.com
KIEFER	RICHARD	K0DK	4700 47TH ST	BOULDER	CO	80301-1746	kiefer@ced.net
KIEL	MARSHALL	KF9SU	POB 344	TOMAH	WI	54660-0344	kiele@tomah.com
KIMBRELL	BOB	AC7BN	4905 CHRISTY DR	KINGMAN	AZ	86401-1061	kimbrell@netcom.com
KLEIMAN	ELLIOT	WA4YDK	4701 MCKINLEY ST	HOLLYWOOD	FL	33021	elliok@cris.com
KLEIN	KEN		17981 HALLCROFT LANE	HUNTINGTON BEACH	CA	92647-6449	gumdoc@earthlink.net
KNOST JR	HOWARD A	WB8ZT	POB 1782	COLFAX	CA	95713	howard@lightspeed.net
KNOWLES	DARRELL	KC7TEI	RT 2 BOX 2434K	ROOSEVELT	UT	84086-9528	dogchow@usa.net
KOCH	BOB	WB8RAY	5503 HUNTER RD	ENON	OH	45323-9743	bob_koch@dayton.sbc.com
KOCIALSKI	TOM	KC2CAG	19 PAWTUCKET ROW	ORCHARD PARK	NY	14127-3921	t.f.kocialski@ieee.org
KOPL	LEN	KD0RC	1404 DEXTER ST	BROOMFIELD	CO		kopl@hange.com
KOVACS	PATRICIA	KC8HH	527 HAVERSHAM DR	MAUMILI	OH	43230-2213	pkovals@lucent.com
KRAUSE	GARY D	N7HTS	7003 BONNEVILLE PL	CHEYENNE	WY	82009	gkrause@ssna.com
KRAVEC, MD	THOMAS	W8TK	1282 MCCOY RD	COLUMBUS	OH	43220	kravec@aol.com
KROHN	DANIEL	KC0CEN	6630 S WASHINGTON ST	LITTLETON	CO	80121-2354	krohn@kronix.dimensional.com
KRONK	ERIC	KC0CAV	6630 S WASHINGTON ST	LITTLETON	CO	80121-2354	akronk@imich.com
KROTH	ANDY	N8WGI	801 N MILDRED	DEARBORN	MI	48128-1732	pkroth@juno.com
KURTZ	PHILIP J	KA2QIK	131 ROUSSEAU DR	WEBSTER	NY		kb2sqv@worldnet.att.net
KUSTER	JOSEPH A	W2JAK	POB 1140	ERIE	CO	80518-1140	ndtkuster@compuserve.com
LA FETRA		N6ZDQ	1341 WHIPPOORWILL TR	STOW	OH	44224-2327	Skip@LaFetra.com
LALLY	SKIP	AA6WK	1614 PEACOCK AV	SUNNYVALE	CA	94087	ke6sef@hotmail.com
LAMSS	PATRICK	KE6SEI	15291 REIMS CIRCLE	IRVINE	CA	92804	d3tq@dac.de
LANDAU	MANFRED	DL3FQ	LINDENALLEE 6	D-34225 BAUNATAL			
LAPTHORN	SHIRLEY	KF6ORD	POB 4248	VALLEY VILLAGE	CA	91607-0248	
LARocca	WILLIAM	KB8DG	7540 EDMONT RD	CINCINNATI	OH	45237	jlarrcca1@juno.com
LARSON	JERRY	KF8EB	5856 VANTAGE HILL NW	MASSILLON	OH	44646	
LEAMY	WILLIAM	KG0XW	4335 E SAN MIGUEL CIR	COLORADO SPGS	CO	80915	
LEMOINE	ROBERT	WB8BHJ	28 HAMPTON	GRANVILLE	OH	43023	leamy@hotmail.com
LIENHART	ERIC	KB7TSN	4423 NE DIVISION	GRESHAM	OR	97030-4623	bkenic@aol.com
LIENHART	BOB	NOWRK	8235 TURMAN CT	FORT COLLINS	CO	80525-9393	
LIENHART	DEBBIE	NOWRL	8235 TURMAN CT	FORT COLLINS	CO	80525-9393	
LINDQUIST	RICK	N1RL	225 MAIN ARL LETTER	NEWINGTON	CT	06111-	
LOFGREN MD	CHARLES A	W6JLZ	1834 ROSEMOUNT AV	CLAREMONT	CA	91711	debbie@sdc.hp.com
LOHRE	GAIL	KC5RMN	1610 INDIAN SCHOOL RD	GARLAND	TX	75044	lofgren@mckenna.edu
LOWE	BENJ L	KA0FZF2BL	848 CO RD #138	SCOTTSBORO	AL	35768	lohneg@gle.net
LUEBKE	RICHARD G		POB 4245	SUNRIVER	OR	97707	esp@nc.compuserve.com
LUGAR	FRANK	KB0NL	210 WEST WINONA ST	WEST SAINT PAUL	MIN	55118	rluebke@yig.com
LUKE	MILES K	KC5FRB	2203 HARMONY ST		LA	71201-3026	flugar@promerpanel.net
LUKES	ANITA L		9732 TRILLOBI DR	INDIANAPOLIS	IN	46236-9704	smiles@v@aol.com
LUKES	FRANK M		9732 TRILLOBI DR	INDIANAPOLIS	IN	46236-9704	luke@ymtmail.wishard.edu
LUSE	JEANNE W	N9EYA	5282 SHATTUCK RD	BELVIDERE	IL	61008-7723	

LYLES	CRAIG	KC7UXM	10330 GATEWAY N APT 4F	EL PASO	TX	79824	kc7uxm383@juno.com
MACKINSTRY	ART		BOX 533	RED RIVER	NM	87558	
MANSFIELD	STEVE	N1MZA	225 MAIN ARL PB INFO MGR	NEWINGTON	CT	06111-	
MARKHAM	PAUL	KC0BCL	2790 W 22ND ST	LOVELAND	CO	80538-2905	pathrunner@earthlink.net
MARKOWSKI	MICHAEL	KD7BOD	1064 E WILSON AV	SALT LAKE CITY	UT	84105	m-markow@wcalc.edu
MARSHALL	BOB		3118 COOLIDGE	ROYAL OAK	MI	48073	
MARX	FRED	N8ZCI	14641 N GALLATIN BLVD	BROOK PARK	OH	44142-2422	n8zci@msn.com
MASSSEY	BOYD D	N8VKA	8297 CLEVELAND W	COOPERSVILLE	MI	49404	
MATNER	DON	W0NET	1005 ASHFORD COURT	FORT COLLINS	CO	80526	
MATYAS-SCOTT	RICHARD A	W42NCT	159-01 28TH AV	FLUSHING	NY	11358	
MCCGEORGE	ELENA	KS4OX	10812 WOODHOLLOW RD	CHARLOTTE	NC	28227-9660	ks4ox@aol.net
MCCLEAN JR	ROBERT L	K8BSAQ	7294 MEMORY LANE	CINCINNATI	OH	45239-5324	mcgeorgeRL@aol.com
MCPHAIL	DAVID S	K4KVR	POB 20475	ST SIMONS ISLAND	GA	31522	
MEADOWCROFT	HARVEY	K0IFW	7908 E JEFFERSON AV	DENVER	CO	80237-1508	
MICHAELIS	BRIAN	KFAFRP	VMI BOX 80535	LEXINGTON	VA	24450	meadowcroftuk@gmail.vmi.edu
MIDKIFF	PHILLIP		8112 FLAG POLE CIR	MANLIUS	VA	13104	pkmichaeis@netscape.net
MIKE	MONTÉ	NTTAU	RR 1 BOX 1740	LOPEZ	NY		n7tau@aol.net
MILAZZO	FLAHERTY	W4GUBW	POB 189490, WRULD CLUB ED	SACRAMENTO	WA	98261-9801	
MILLER	PHIL	KG8OEI	2121 WINDY HILL RD #2003	MARIETTA	CA	95818-9490	philip_milazzo@earthlink.org
MILTON	ELWYNN J	N1VVC	POB 1077	E SANDWICH	GA	30060-6445	emiller@capecod.net
MILWAY	TOM	WB4PNE	42 HILLTOP RD	ASHEVILLE	MA	02537-	milton@compuserve.com
MOOREFIELD	WILLIAM B	W1TTE	2 PATTERSON MILL RD	BEL AIR	NC	28803	milway@erols.com
MORTENSEN	RON	W8LC	6040 GREEN KNOLLS DR	DAYTON	MD	21015-8241	
MOSESON	RON	N0ROF	4923 S 124TH ST	OMAHA	OH	45424-1301	mmortensen649@aol.com
MOUNTAIN	RICHARD S	W2VU	25 NEWBRIDGE RD, COVNF ED	HICKSVILLE	NE	68137-2109	
MUNDING	NED L	WC4X	450 OAK RIDGE RUN	ROSWELL	NY	11801	
MURDOCK	CHRIS	W8SIKO	5400 ROYAL DR NE	ALBUQUERQUE	GA	30075	nedm@compuserve.com
MYERS	ROBERT	WX2NU	534 PRINCETON AV	BAYVILLE	NM	87111	chrismahm@worldnet.att.net
MYERS	BOB	N9OGS	113 HOME DR	DEKALB	NJ	08721-2333	wx2nu@aol.com
NEEMAN	RICHARD M	K8RM	5038 LANSOWNE DR	SOLOIN	IL	60115	skreesee113@aol.com
NELSON	TEDDY	42SJQ	POB 65078	TEL AVIV 61650	OH	44138-1227	k8rm@aol.com
NELSON	ANN L	W0DKJ	2012 W 48TH TERRACE	SHAWNEE MISSION	OH	44138-1227	teddy_neeman@motorola.com
NELSON	BOB	N5EW	184 SCENIC HILLS HCRCPRES	KERRVILLE	KS	66205-1951	
NELSON	STANLEY R	KD0G	2012 W 49TH TERRACE	SHAWNEE MISSION	TX	78028	
NELSON	DICK	KF6BXG	754 NEWPORT CIR	REDWOOD CITY	KS	66205-1951	stnelson@juno.com
NEVES	JOHN	KB6FU	4123 MIDDLEFIELD RD	PALO ALTO	CA	94065	
NICKOLAUS	MIKE	W1TTE	3*6 E 32ND ST	SO SIOUX CITY	CA	94303-4742	jbrovati@concentric.net
NOBLE	ARMOND	N6WR	2120 28 ST WRDLDRADIO PUB	SACRAMENTO	NE	68776-3512	menicko@avalon.net
NOFFSINGER	KEN	AE8I	43 KENT RD	TIPP CITY	CA	95818	
NOVAK	JOE	W8TVT	201 SO SPRUCE ST	TRAVERSE CITY	OH	45371	p8e@jnnfnet.com
NOWLAN	EUGENE	N2TPT	385 WATAUGA AV	CORNING	MI	49684	w8tv@aol.net
NYBO	JIM	N7MSB	POB 1687	HELENA	NY	14830-3325	enowlan@sny.it.com
OKAZAKI	ALAN S	AO6SH	577 36TH ST	MANHATTAN BEACH	MT	59824-1687	
					CA	90266	okazaki@juno.com

OLDHAM	BOB	KS4LB	12276 WELLING HALL RD	DOSWELL	VA	23047	ks4lb_bolo@juno.com
OLSON	BRIAN R	N0XFE	3720 W 108TH ST	BLOOMINGTON	MN	55431-3806	bolson@informatics.k12.mn.us
O'REILLY	TERRENCE	N80CQ	1609 N PROSPECT #806	MILWAUKEE	WI	53202-2401	b506129@msn.com
ORRETT	ANN	VE3OAN	115 DELROY DR	ETOBIKOKE, ONT	CAN	M8Y 1N6	orrett@ica.net
ORRETT	BOB	VE3OBO	115 DELROY DR	ETOBIKOKE, ONT	CAN	M8Y 1N6	orrett@ica.net
OWENS	JAMES K	KE6VRT	667 KNIGHT DR	BENICIA	CA	94510-3752	jowens5278@aol.com
PAGURKO	JOE	KA9IE	21721 KINGSTON WAY	MOKENA	IL	60448	qsheit@aol.com
PAUL	BIL	KD6JUI	337 ESTRELLA WAY	SAN MATEO	CA	94403	bhp@alchemiet-light.com
PERECKAS	MICHAEL	N9TNC	9838 FOND DU LAC AV #5	MILWAUKEE	WI	53224-5239	michael_pereckas@mrk.com
PERPINE	HERBERT E	WD8DLQ	POB 24	LOONEYVILLE	WV	25259	herperine1898@netscape.net
PERRY	DAVID L	N0IBT	3190 ENDICOTT DR	BOULDER	CO	80303-6903	dperry@worldnet.att.net
PETERSON	BOB	KD8EPU	2211 SUMMERTIME LA	CULVER CITY	CA	90230-4574	bobpete55@earthlink.net
PFISTER	TOM	N8ZGT	245 N KUKUI ST SUITE 100	HONOLULU	HI	96817-3999	n8zgt@gleascity.net
PHILLIPS	JOHN	N8ZGT	4654 BURKHARDT AV # K	DAYTON	OH	45431-1881	
PITTINGER	JAMES	N8ZP	55 EAST RIVER DR	WILLINGBORO	NJ	08046	
POPE	DANIEL F	N8ZP	POB 310228	FLINT	MI	48531-0228	circlep@ir.com
PORTERFIELD	DAVID	N3VHU	135 TEXTOR SCHOOL RD	ZELLENOPLE	PA	18083-3325	n3vhi@tyi.net
PREST	JAMES A	WABSEL	24485 GLEN ORCHARD DR	FARMINGTON HILLS	MI	48336-1723	jimprest@ceonline.com
PULHUJ	BOB	KE8ZJ	5228 OTTAWA RIVER RD	TOLEDO	OH	43611-2207	nscaleco@aol.com
PULHUJ	MIKE	KB8URO	5228 OTTAWA RIVER RD	TOLEDO	OH	43611-2207	nscaleco@aol.com
PUVOGEL	STEVE	KB7YCJ	218 SEATTLE BLVD SO #8	PACIFIC	WA	BUMT	
RASO	LOU	KE6YOC	10363 RED FIR RD	TRUCKEE	CA	96161	lounere@aol.com
RATCLIFF	KATY	KB9QVK	501 E UNIVERSITY ST	BLOOMINGTON	IN	47401-2828	cratcliff@indiana.edu
RATCLIFF	KEN	KB9MOT	501 E UNIVERSITY ST	BLOOMINGTON	IN	47401-2828	kenratcliff@juno.com
RATCLIFF	KEVIN	KB9MCU	501 E UNIVERSITY ST	BLOOMINGTON	IN	47401-2828	kevinratcliff@juno.com
REA	HARRY N	KB7ZPM	2827 NE 21ST AV	PORTLAND	OR	97212	hpm@heavenet.com
REDOUTEY	RICK	WABUMT	24366 HAMPTON HILL	NOVI	MI	48375	redooutey@aol.com
REED	DAVID E	WA1ZWG	10 SURREY LA	MIANTIC	CT	06357	wa1zwg@aol.com
REIDY, DO	RICH	WTRVQ	1668 N UMBERLAND	ROCHESTER HILLS	MI	48309	nichreidy@hotmail.com
REITSCH	ART	WTRVQ	444 BAYCLIFF DR	PORT TOWNSEND	WA	98366	ar7500@aol.com
REVES	JOHN	WD8LV	1471 JUDD RD	SALINE	MI	48176	jrev@umich.edu
RICH	CHUCK	W8GCW	300 WILDWOOD DR	HOLLAND	MI	49423	
RIDDLE	HYBERT E	KC8DSY	2345 LOIS DR	GROVE CITY	OH	43123-1417	
RIEGER	DENNIS	KK5DB	10 OSO DRIVE	TUERAS	NM	87059-7632	kk5db@worldnet.att.net
RITZENTHALER	DAVID	KC7NFZ	1815 NW LAMONT ST #LWR	PULLMAN	WA	99163-3516	ritz@wsu.edu
ROMEO	PAULA	KB9MAJ	2159 S FISH HATCHERY RD	OREGON	WT	53575-1943	promero@facstaff.wisc.edu
ROYDER	RON		POB 1854 (CYCLE TEXAS)	BAYTOWN	TX	77522-1954	cyckety@ndunrbkfour.com
RUSH, MD	CHUCK	N0AZ	3009 S 87TH ST	OMAHA	NE	68124-3042	
RYAN	SCOTT	KC8CNO	1183 WILLARD AV	COLUMBUS	OH	43212-3570	kc8cno@waynet.net
SATHER	CHARLES	KB2UNS	507 GOLF LINKS DR	BRIDGEWATER	NJ	08807-1815	
SAUNDERS	JOHN		4019 GOLDFINCH ST #333	SAN DIEGO	CA	92103-1820	
SCHALLAU	JIM	N6ABS	2322 WALNUT GROVE AV	SAN JOSE	CA	95128-1127	schallau@aim.infi.net
SCHALLER	DAN	N3RHW	855 GIST RD	WESTMINSTER	MD	21157	dschaller@aol.com

SCHNEPF	GEORGE	KE2IV	POB 470	CORAKE	NY	12518	gschnepf@mindspring.com
SCHOBERG	ALAN	WQJ	93 28TH AV N	FARGO	ND	58102-1619	schoberg@uswest.net
SCHOLL	BARNEY	K3LA	POB 673	SHARON	PA	16146-0673	scholl@compuserve.com
SCHOLTEN	GALE	N8GS	548 OTTAWA AV NW	GRAND RAPIDS	MI	49503	williams_works@voyager.net
SCHROTH	CHARLES	WL7CSJ	PO BOX 3	GUSTAVUS	AK	99526	putfin@compuserve.com
SCHUERMAN	MURIEL C	KE6TND	10927 HASTY	DOWNEY	CA	90241	leos@usc.ed
SCHWARTZ	LARRY	WB3DBI	12 LOS ALAMITOS CIR	WYLLIE	TX	75098	larryschwartz@netzero.net
SCOTT	PAT	KE4FNN	9222 CAMERON RD	MASCOT	TN	37806-1714	patnpaul@compuserve.com
SCOTT	PAUL	KE4SFG	9222 CAMERON RD	MASCOT	TN	37806-1714	patnpaul@compuserve.com
SELIGMAN	SCOTT	KN8EV	10553 LA RODA DR	CUPERTINO	CA	95014	seligman@ang.sun.com
SEYFERT	HARRY G	WD9FFY	210 DAVIDSON DR	DANVILLE	IL	61832-1809	wd9ff@arrl.net
SHALLEY	JOE	KE4LKV	3704 39TH ST N	ST PETERSBURG	FL	33713-1345	
SHARP	BILL	WBHI	750 BLUFF ST APT 302	CAROL STREAM	IL	60188	artmccln@amtech.net
SHARP	JIM	WSAP	6602 EMERALD DR	COLLEVILLE	TX	76034-6116	sharp@blueplanet.net
SHELLEY	ELROY W	WB9GIE	9705 W HAMPTON AV #18	MILWAUKEE	WI	53225-4049	wb9gie@webtv.net
SHENKER	JACK	KD2TE	12 VICTORIA DR	ANNANDALE	NJ	06801-	shenker@nazz.net
SIMPSON	ROBERT J	KA3ZLA	2563 EBBVALE RD	MANCHESTER	MD	21102	
SKOPAL	EUGENE	AE2F	47 STORMTOWN RD	OSSINING	NY	10562	ae2f@qsl.net
SKOUSEN	MIEL	WA7SSA	2551 N 35TH W	IDAHO FALLS	ID	83402	skousen@arrl.net
SKRENKA, JR	JIM	K9DDB	POB 4445	CHICAGO	IL	60680-4445	
SLAWSON	DAVID	N2VRC	258 WYOMING AV	WASHINGTON	NJ	07882-	
SLAWSON	KATHY	WZKAT	258 WYOMING AV	WASHINGTON	NJ	07882-	
SMITH	MICHAEL W	KC8DKK	2965 RESERVOIR DR	MOGADORE	OH	44260	miwals942@aol.com
SMITH	QUINTON	KF6FDI	1172 W MCKINLEY AV	SUNNYVALE	CA	94086	qbol@hotmail.com
SMITH	WALTER N	KB8ZQW	304 WHITWATER DR	HARRISON	OH	45030-1443	wsmith@one.net
SOMERS	CAROL	KF4EGU	530 BEAVER CREEK DR	WIRTZ	VA	24184-4231	k4th@worldnet.att.net
SOMERS	DON	KT4FH	530 BEAVER CREEK DR	WIRTZ	VA	24184-4231	k4th@worldnet.att.net
SPECK	JIM	W5AI	3117 NW 62ND	OKLAHOMA CITY	OK	73112-4224	speck@qrs.com
STACHOWSKY	MITCHEL	KATOGK	19205 EDWARDS SHOP RD	ELKWOOD	VA	22718-2324	ka7ogk@hotmail.com
STAHLBAUM	DONALD A	KC8HVQ	39475 FISK LAKE RD	PAW PAW	MI	48075	daedae@net-link.net
STANZEL	KENT A	KB0STV	417 MADISON AV	ANDOVER	KS	67002-8542	
STEWART	BARBARA J	KC8DSX	2345 LOIS DR	GROVE CITY	OH	43123-1417	kc7dat@bcsnet.com
STILWELL	MARCI E M	KC7DAT	1421 NE RYGG CT	POULSBORO	WA	98370-8786	jksimpson@rockisland.com
STIMPSON	JOHN K	KC7WJU	POB 1203	FRIDAY HARBOR	WA	98250-1203	cyclostorm@aol.com
STORM	ROGER	KC8ICS	13815 RIKER RD	CHELSEA	MI	48118	toms@pro-events.com
SULLIVAN	TOM	NOTGJ	3141 DEAN CT 107 (TR DIR)	MINNEAPOLIS	MN	55416	nswanson@compuserve.com
SWANSON	NORMAN	KF6GCF	11528 PALITO CT	SAN DIEGO	CA	92127-1023	
TABOR	GENE	KB7QG	7780 N HWY 38	HONEYVILLE	UT	84314-9739	
TANKERSLEY	CHUCK	KC4CC	6113 CHANTERELLE CT	STONE MOUNTAIN	GA	30087-5003	robolino@mindspring.com
TAYLOR	CHRISTOPHER	KC0ALT	1446 MANHATTAN BCH BLVD#A	MANHATTAN BEACH	CA	90266-6170	ctaylor@alum.wpi.edu
THOMAS	ROBERT F	N3CT	14 E BROOKHAVEN RD	WALLINGFORD	PA	19086-6326	robert.f.thomas@boeing.com
THOMPSON	JOHN	N5EHP	8400 E ILIFF #9 60 HRO	DENVER	CO	80231	
TIGHE	RICHARD J	W8RJT	410 BURLINGTON	CLARENDON HILLS	IL	60514	w8rjt@compuserve.com

TOMPKINS	ALAN D	1515 JEFF DAVIS LLS-1506	ARLINGTON	VA	22202	altom@ibm.net
TRACY	DOUG	5345 RECTOR	TOLEDO	OH	43615-2811	dptracy2@juno.com
TRAVIS	GARY R	16908 BELLFLOWR BLVD #541	BELLFLOWER	CA	90706	travis_sg@earthlink.net
TRUE	ROBERT L	2109 E BOMAR LN	GREENFIELD	IN	46140	rtue@iupui.edu
TRUE	SUE MCGILL	2109 E BOMAR LN	GREENFIELD	IN	46140	smtrue@stvincnt.org
TURLEY	JIM	POB 471, COUNTY	BOULDER	CO	80306	
UVEGES	GEORGE	2401-B OAK ST	SANTA MONICA	CA	90405-5105	
VANWINKLE	RIP	903 PARAGON DR (BARC JRS)	BOULDER	CO	80303	
VARGA	JOHN	3924 BOGEY CT	LONGMONT	CO	80503	
VARNER	JIM	2771 BARITE DR	LAKE HAVASU CITY	AZ	86404-1323	ae6m@ctaz.com
VARNEY	LARRY	240 TRAPP-MURNAN RD	COLD SPRING	KY	41078-9726	lvarney@iso.cinix.net
VETTERLEIN	DAVID H	351 E GLENN AV APT25	AUBURN	AL	36830	dvetl@mindspring.com
VODALL	BILL	15817 NE 90TH ST E-132	REDMOND	WA	98052	vodall@bigsky.com
VOLZ	FRANK	315 E MARKET ST	ABERDEEN	WA	98520	fvolz@techline.com
WALKER	JOE	POB 4248	VALLEY VILLAGE	CA	91607-0248	jwfmrc@aol.com
WALLACE	JOHNNY B	6207 STABLE TRAIL DR	SAN ANTONIO	TX	78248-4629	jwallace@swt.org
WALSH	MARK	1458 LUCENA CT	SAN JOSE	CA	95132-2237	km6xu@wco.com
WALSTROM, MD	WADE	7431 MACON DR	CEDAR RAPIDS	IA	52411	w06j@aol.net
WALTER, MD	DANIEL B	1325 STEPHEN WAY	SOUTHAMPTON	PA	18966-4349	nm3a@aol.com
WANG	PETE	7711 SILENT STAR CT	HOUSTON	TX	77095	
WARREN	THOMAS J	ACG FRANKFURT (ESC)	PSC 115 APO	AE	09213-0115	
WHITE	LARRY E	7251 S 35TH ST	LINCOLN	NE	68516	kc7kdz@aol.com
WHITE	ROSALIE	WA1STO	NEWINGTON	CT	06111-	
WILCOX	ROGER	W8OZY	WILLOUGHBY	OH	44094-4343	b1593@cleveland.freenet.edu
WILKINSON	MICHAEL R	WA6PRB	LOS ANGELES	CA	90065	wa6prb@icnet.com
WILKINSON	RANDY	N8WMC	LOS ANGELES	CA	90065	mcranady@ucink4.berkeley.edu
WILL	JEFF	AAOPN	WAUKEE	IA	50263-0157	jswill@dmreg.intl.reg
WILLIAMS	THORNTON	KF4LGX	COLLEGE PARK	GA	30349	react1@mindspring.com
WILSON	ED	N2XDD	SHIRLEY	NY	11967	n2xdd@juno.com
WIMBLE	KATHY	KE5FZC	SUNNYVALE	CA	94067	
WIMBLE	MIKE	KM8WP	SUNNYVALE	CA	94087	mike@wimble.org
WINSBERG	EVERETT G	N7BHI	COUPEVILLE	WA	98236	ewertfw@whidby.net
WISLEDER	DEAN	EX-KN9DIA	SPRINGFIELD	IL	62704-6575	wisleder@eosinc.com
WISOTZKEY	MARY	KB0UBY	LAFAETTE	CO	80026	bartwool@jinfnet.com
WOOLDRIDGE	BARB	KC8KYP	COLUMBUS	OH	43212-3762	wojoe77@aol.com
WOZNIAK	JOSEPH A	7 SYCAMORE ST	HUDSON	NH	03051-4734	
WULSTEIN	LARRY	BOX 234	KERNVILLE	CA	93238	
WYATT	RAY	K6DNC	HOUSTON	TX	77071-1120	
YOCUM	RUSSELL W	KC5LCF	NAKINA	NC	28455	
YOUNG	PHIL	N3VQU	AUGUSTA	ME	04330-	k4kjp@gnnet.net
YOUNG	TERRY	W1JTH	FT WALTON BEACH	FL	32548-4354	kb9azf@aol.net
YOUNG	ANDREW R	K4KJP	FISHERS	IN	46038-2884	
ZIMMERMAN	JIM	KB9SZF	LANCASTER	CA	93536-5702	jimzim@pww.com
		N6KZ				

BMHA NEWSLETTER

Bicycle Mobile Hams of America
Box 4009-NL, Boulder, Colorado, 80306-4009

Mailed from 337 Estrella Way
San Mateo CA 94403-2940

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COMMENTS

Dear Mr. Alley:

Please mail me a membership kit. I am a Technician class ham who loves to bicycle.

Please mail me some possible amateur members in Southern Colorado who might be members of Bicycle Mobile Hams of America.

I am a member of the Pueblo Ham Club and ARRL.

Thank you,

David Cantrell, KC0ESG

We are sending David a courtesy copy of this newsletter issue (which includes the January 2000 roster). We hope that some of the members who live near Pueblo might get in touch with David and show him our BMHA hospitality.

Dear BMHA:

I am a new member of BMHA and I purchased some back issues of the newsletter. I'm trying to get started with my installation.

I especially like your article of June '96 about HF. Most of the articles are about 2m, but I am mainly interested in HF SSB, 40M.

I recently purchased an MFJ 9440 and hope to install this radio on my bike soon – your article is helpful for my planning of the installation.

It seems natural to put the battery on the rack, mounting the radio in a handlebar bag as you did. I plan to use my Hustler mobile whip mounted at the rear, but back aways. This should help me to mount my bike as I am getting a little "stiff" – I'm 80 years of age but in reasonably good health.

I need exercise and the radio may help me to do more while enjoying hamming.

I do not know yet the best way for mounting the PTT switch, or for earphones, etc. – I have an aircraft headset, and may try to use that.

Any suggestions you might have would be appreciated.

— Larry Wulstein, K6DNC

no E-mail – I'm trying to stay computer illiterate

The BMHA staff wishes Larry lots of both luck and fun in his project – it sounds exciting!